

ADJUSTABLE IMPEDANCE CIRCUIT

Abstract

An impedance circuit for providing an equivalent impedance between a first node and a second node includes a first impedance for providing a first impedance value, a first switch element electrically connected to the first impedance, a second impedance for providing a second impedance value, and a second switch element electrically connected to the second impedance. The equivalent impedance is determined by the first impedance value and the second impedance value, and by controlling the turn on time and the turn off time of the first switch element and the second switch element.